

## Leucine-rich repeats and the distribution of mutations in the Nyctalopin protein

MKGGRGMLVLLHAVVLGLPSAWVGACAA <u>^</u> <u>CPAACAC</u> STVERGC SVRCDR	- 50
del	
1. AGLLRVPALPCEAVSIDLDRNGL	- 74
2. RFLGERAFGTLPSLRLSLRHNNL	- 98
3. SFITPGAFKGLPRLAELRLAHNGDL	- 123
4. RYLHARTFAALSRLRRLDLAACRL	- 147
5. FSVPERILLAEPLPALRELAFDNLFRRVPGALRGL	- 181
6. ANLTHAHL15LRLRSLSZQANRV ERGRGIEAVASSSLOG	- 218
7. RAVHAGAFGDCGVLEHLLNDNLL	- 242
8. AELPPADAFRGLRRLRTLNLLGGNAL	- 266
9. DRVARARWFADLAELELLYLDRNSI	- 290
10. AFVEEGAQPQLSGLLALHNGNRL	- 314
11. TVLAWVAFQPGFFLGRILFREKPW <i>β-sheet      α-helix</i>	- 338
CCDCRLEWLDRWMEGSGRVTDVPCASPGSVAGLDLSQVIFCRSSDGLCVD	- 388
PEELNLTTSSPGPSPEPAATTVSRFSSLSSKLLAPRVPVEEAANTTGGLA	- 438
NASLSDSLSSRGVGGAGRQPWFLLASCLLPSVAQHVVFGLQMD	- 481

▲ insertions of SVPERILL, GLR and ALR, respectively  
 ▽ most likely signal peptide cleavage site

FIGURE 3B [SEQ ID. NO: 2]